TUNING INDICATOR

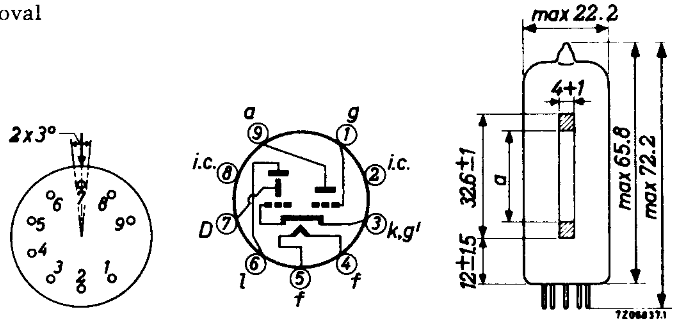
Indicator tube with triode amplifier intended for use as tuning indicator or for modulation control.

HEATING: Indirect by A.C. or D.C.; parallel supply

Heater voltage	V_f	6.3	V
Heater current	I_f	210	mA

DIMENSIONS AND CONNECTIONS Dimensions in mm

Base: Noval



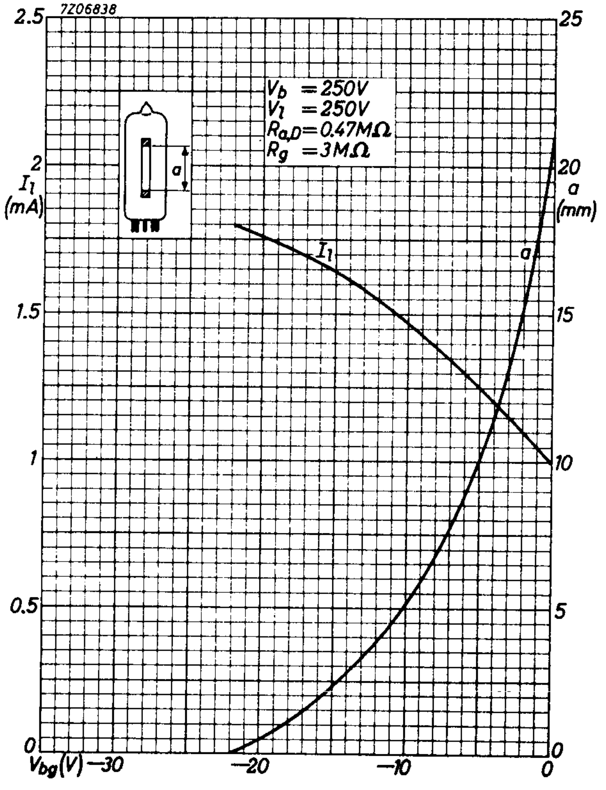
The arrow near pin 7 indicates the viewing direction.

OPERATING CHARACTERISTICS (D connected to a)

Supply voltage	V_b	250		V
Luminescent screen voltage	V_ℓ	250		V
Anode and deflection electrode resistor	$R_{a,D}$	470		kΩ
Grid resistor	R_g	3		MΩ
Grid supply voltage	V_{bg}	0	−22	V
Anode and deflection electrode current	I_{a+D}	0.45	0.06	mA
Luminescent screen current	I_ℓ	1.0	1.8	mA
Shadow length	a	21±5	0	mm

LIMITING VALUES (Design centre rating system)

Anode voltage	V_{a_0}	max. 550	V
	V_a	max. 300	V
Anode dissipation	W_a	max. 0.5	W
Deflection electrode voltage	V_{D_0}	max. 550	V
	V_D	max. 300	V
Luminescent screen voltage	$V_{\ell o}$	max. 550	V
	V_ℓ	max. 300	V
	V_ℓ	min. 170	V
Cathode current	I_k	max. 3	mA
Grid resistor	R_g	max. 3	MΩ
Cathode to heater voltage	V_{kf}	max. 100	V
Bulb temperature	t_{bulb}	max. 120	°C



PHILIPS

Data handbook

Electronic components and materials

EM84

page	sheet	date
1	1	1970.01
2	2	1970.01
3	FP	1999.08.10